

Notice of Allowability

Application No.

09/998,304

Examiner

Joseph E. Avellino

Applicant(s)

HALDAR ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Response dated August 6, 2007.
2. ☒ The allowed claim(s) is/are 6, 12, 15-20 and 27-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The prior art of record does not provide for, nor suggests providing for gauging a users level of interest in a given subject. The method establishes a count of web pages that each contain a threshold number of keywords related to a given subject, a count of keywords related to the given subject that appear in web pages sent to the user by capping the page keyword count such that the value is not greater than a predetermined maximum number of instances of keywords, summing the capped page keyword counts to establish the count of keywords, wherein the count of keywords is not greater than the count of web pages multiplied by the predetermined maximum number of keywords. The measure is calculated by multiplying the keyword count value with a subject-specific page count value, and then dividing that by the total page count value, which represents the number of web pages sent to the user. This entire process is conducted at a mobile-IP home agent. When the computer is connected to a foreign network, a "foreign agent" server on the network registers the computer with the home agent. In turn, communications to the computer are routed through the home agent, to the foreign agent, and on to the computer. If a user sends out an HTTP GET request to a web server, the foreign agent encapsulates the request with a header that designates the home agent as the return address. The Web server would send the requested web page to the user's home agent, and the home agent would then forward the web page to the foreign agent and on to the user's computer. The home agent would be able to customize a web page to provide interest-related information in the web page. For

example, if the user is interested in music, the web page can be customized to provide music-related information in the web page, such as providing the user with an advertisement, a coupon, or news about music. The results can be normalized by comparison to other measures. The data includes information about user interest levels with respect to one or more subject matter categories maintained in a number of tables in a relational database format. The Category table would indicate the subject matter categories of interest. The Keyword table would indicate one or more keywords that are considered to relate to the subject matter. Each record of the keyword table may thus set forth a particular keyword and be keyed to a particular subject matter category table. The Keyword table may also define for each keyword a respective value or weight. The User table would identify each user whose interest is measured. The user/category table would indicate for each user a measure of the user's interest level per subject matter category, and can indicate a respective measure of user interest. The User history table would contain measures of user interest over time. The table could be keyed to a particular user of the user table and to a particular subject matter in the category table, and, for a given date/time, a measure of the user's interest in that subject matter category. The gateway analyzes web pages that are sent to the user and, based on its analysis, establishes and updates the measures of the user's interest level in one or more subject matter categories. The gateway would increment the category-specific page count by one in response to any page that includes at least 10 keywords related to the subject matter category. The gateway can be programmed to

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perform the analysis over a given time period to produce a measure of user interest for that period of time.

2. The closest prior art of record is the current rejection Herz-Eichstaedt-Shimizu-Rose-AAPA, however one of ordinary skill would not find it obvious to combine these references to produce the method and then implement this method in a home IP agent.

3. For these reasons, in conjunction with the other limitations of the independent claims, puts this case in condition for allowance.

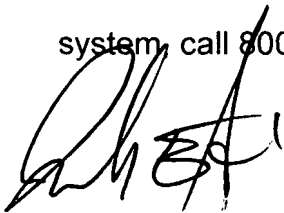
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph E. Avellino whose telephone number is (571) 272-3905. The examiner can normally be reached on Monday-Friday 7:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'J. Avellino', is written over the text of the signature block.

Joseph E. Avellino, Examiner
August 6, 2007